

Harold Keith  
2227 South 15<sup>th</sup> Avenue  
Broadview, IL 60155

RECEIVED  
CENTRAL FAX CENTER  
OCT 11 2004

# Fax

**To:** Minh Dieu Nguyen

**From:** Harold Keith

Examiner Art Unit 2137

---

**Fax:** 703-872-9306

**Pages:** 12

---

**Phone:** 703-305-9727

**Date:** 10/11/04

---

**Re:** LapDesk 1400

**CC:** [\[Click here and type name\]](#)

Application / Control Number 09/767,161

---

☒ **Urgent**    ☒ **For Review**    ☐ **Please Comment**    ☐ **Please Reply**    ☐ **Please Recycle**

---

Please deliver document to Minh Dieu Nguyen asap.

If there are any problems with this fax please give me a call on my cell phone.

Thank you,

Harold Keith

708-997-7337



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/767,161	01/23/2001	Harold John Keith		2565

7590 07/12/2004  
Harold John Keith  
2227 South 15th Avenue  
Broadview, IL 60153

EXAMINER

NGUYEN, MINH DIEU T

ART UNIT	PAPER NUMBER
----------	--------------

2137

DATE MAILED: 07/12/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

This Page Blank (uspto)

**Inventor: Harold Keith**  
**Date: 10/11/04**

**Invention Name: LapDesk1400**

**Title of Invention**

The title of this invention is called "LapDesk1400". The title derives from Laptop and Desktop. Combining laptop technology with the speed and ease of upgrading components on a desktop.

**Cross-Reference To Related Applications**

None

**Statement Regarding Federally Sponsored Research Or Development**

None

**Reference To A Microfiche Appendix**

None

**Background Of The Invention**

After thorough research was conducted there is not any technology that functions like LapDesk1400.

**Inventor: Harold Keith**  
**Date: 10/11/04**

**Invention Name: LapDesk1400**

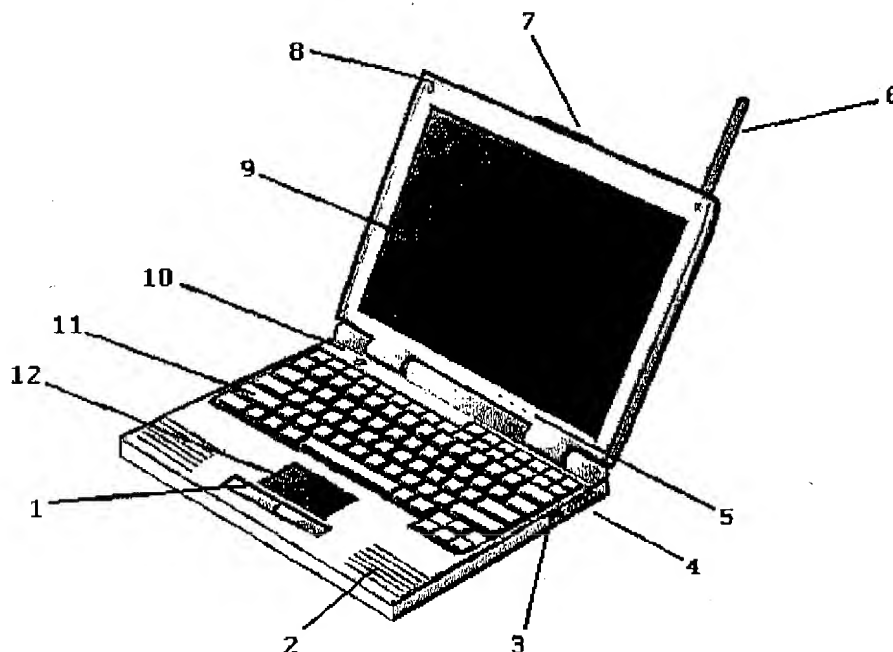
**Brief Summary Of The Invention**

LapDesk1400 is wireless technology combined with laptop technology. LapDesk1400 consist of a base unit and a User Interface Unit (UIU). The base unit has a powerful antenna sending and receiving information from the UIU, a jack for a longer range antennas (optional), and also has several connections that goes directly to the users desktop. These connection cables coming from the base unit to the desktop will provide for an automatic signal bypass for monitor, keyboard, mouse, joystick, speakers, and microphone. The second version of the base unit will work the same as the prior stated version with the exception of the connection cables which will be replace with one cable for the monitor and one USB connection which will act and interface with desktop as prior stated devices. The UIU consist of a active flat screen, keyboard, touch pad mouse, speakers, microphone, and jacks for a external joystick, mouse and keyboard and a small antenna.

Inventor: Harold Keith  
Date: 10/11/04

Invention Name: LapDesk1400

### Brief Description Of The Several Views Of The Drawing



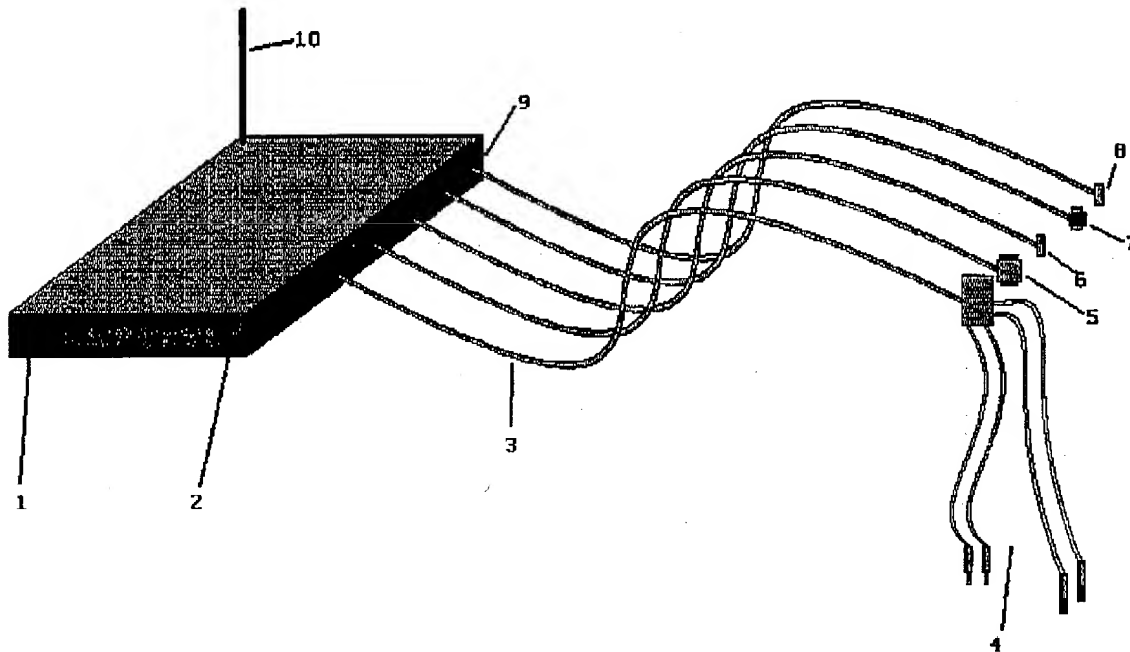
#### UIU Front side view

1. Mouse buttons
2. Stereo speakers
3. Headphone port
4. Digital joystick port
5. Power indicator lights
6. Fold down Power Antenna
7. Locking latch
8. Microphone
9. High resolution color screen
10. Power switch
11. Heavy-duty keyboard
12. Touch pad mouse or ball roller type mouse

**Inventor: Harold Keith**  
**Date: 10/11/04**

**Invention Name: LapDesk1400**

**Brief Description Of The Several Views Of The Drawing**



**Base Unit 1**

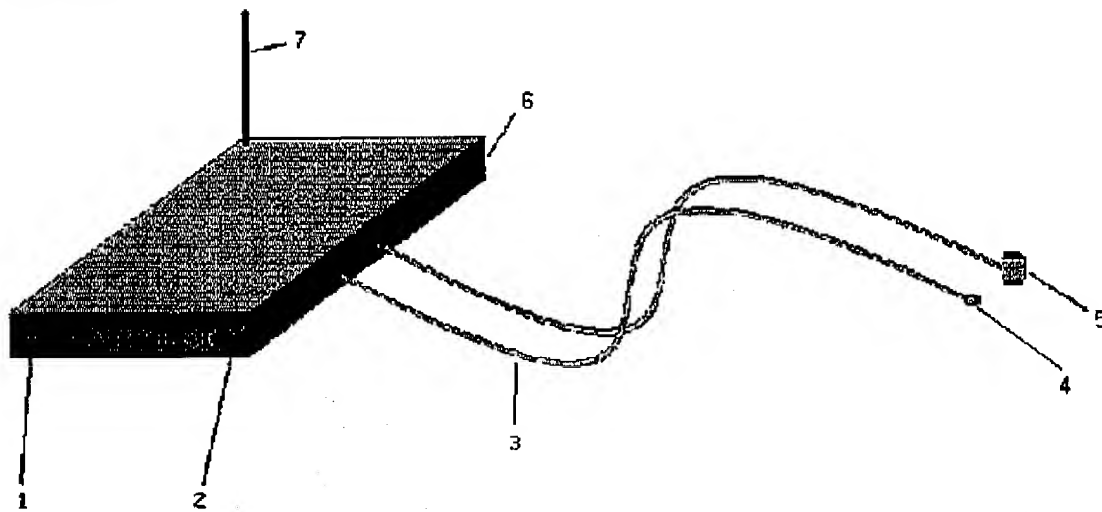
1. Power indicator
2. Connection indicator
3. Double ply data cables
4. Microphone and external speaker male and female connector
5. Joystick connector
6. Keyboard connector
7. Monitor connector
8. Mouse connector
9. Power port
10. Digital high powered antennae

\*Note each connector has pass-through technology with would allow the regular operation while LapDesk1400 is off.

**Inventor: Harold Keith**  
**Date: 10/11/04**

**Invention Name: LapDesk1400**

**Base Unit 2**



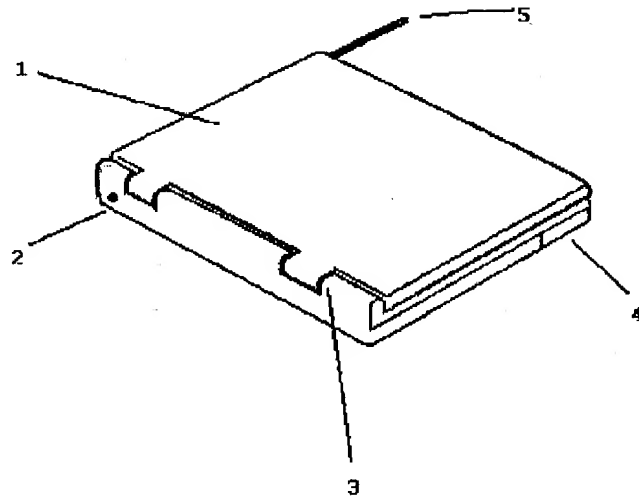
1. Power indicator
2. Connection indicator
3. Double ply data cables
4. USB connection
5. Monitor connector
6. Power port
7. Digital high powered antennae

\*Note each connector has pass-through technology with would allow the regular operation while LapDesk1400 is off.

Inventor: Harold Keith  
Date: 10/11/04

Invention Name: LapDesk1400

**Brief Description Of The Several Views Of The Drawing**



UIU Rear view

1. Flip up monitor
2. Power port
3. Heavy-duty LCD hinge
4. High Capacity battery
5. Fold down antenna



**Inventor: Harold Keith**  
**Date: 10/11/04**

**Invention Name: LapDesk1400**

### **Detailed Description Of The Invention**

LapDesk1400 allows a user to communicate with wireless technology to a device called the Base Unit that is connected to the desktop and it's devices or simulated through a USB connection to device interrupts. That Base Unit then converts signals going to the monitor, external speakers, mouse and joystick to a radio wave with encryption and random seeds for security. These radio waves are transmitted to a laptop-like device called the UIU (User Interface Unit). The UIU decodes the radio waves and converts it back into it's original signal and directs the signal to its appropriate device.

Once 128 byte-encrypted signal is authenticated with a security code, access will be granted for a remote access session. Remote access security is maintained by packing the security code with every signal outgoing from the UIU to the Base Unit. The base unit has a number that is stamped on the bottom that corresponds to it encrypted signal. The signal generated from the UIU is then verified with the number known to the base unit as a second security measure.

**Inventor: Harold Keith**  
**Date: 10/11/04**

**Invention Name: LapDesk1400**

### **Claim Or Claims**

What is claimed is:

1. A method for controlling a remote desktop or computer system over a wireless connection, said method comprising:
  - a) Pooling and establishing said wireless connection between a User Interface Unit (UIU) and said remote desktop by way of a Base Unit by broadcasting encrypted signals;
2. The method as recited in claim 1 further comprising the steps of establishing a wireless connection between the base unit and UIU utilizing a alphanumeric code that is unique for each Base Unit.
3. The method as recited in claim 2 further comprising steps of establishing a wireless connection by encrypting the communication between base unit and UIU.
4. The method as recited in claim 2 further comprising steps of establishing a wireless connection by encrypting wireless connection with a password phrase entered by user at first setup.
5. A laptop-like system stated in claim 1 wherein step a) defined as UIU for controlling a base unit over a wireless connection, said system comprising:
  - a bus;
  - a processor coupled to said bus;
  - a transceiver coupled to said bus, said transceiver for transmitting encrypted commands for controlling said base unit over said wireless connection;
  - a LCD device coupled to said bus, said LCD device adapted to display remote screen commands through said wireless connection to base unit wherein base unit is connected to the remote computer system video output port on remote computer system;
  - a keyboard coupled to said bus, said keyboard input device is adapted to send keystroke commands through said wireless connection to base unit wherein base unit is connected to the keyboard input ports or keyboard software interrupts on remote computer system;
  - a touch pad device coupled to said bus, said touch pad input device is adapted to send mouse movement commands through said wireless connection to base unit wherein base unit is connected to the mouse input ports or mouse software interrupts on remote computer system;
  - a speaker system coupled to said bus, said speaker system is adapted to receive speaker signals through said wireless connection to base unit wherein base unit is connected to the speaker output ports or setup through a USB connection as speaker device on the remote computer system;
  - a microphone system coupled to said bus, said microphone system is adapted to send signals through said wireless connection to base unit wherein base unit is connected to the microphone port or setup through a USB connection as microphone device on the remote computer system;
  - a joystick port coupled to said bus, said joystick port is adapted to send joystick signals through said wireless connection to base unit wherein base unit is connected to the joystick port or setup through a USB connection as a joystick device on the remote computer system;
  - a small amount of memory coupled to said bus, said memory is adapted to hold security codes.
6. A transceiver system stated in claim 1 wherein step a) defined as Base Unit, said system comprising:
  - a bus;
  - a processor coupled to said bus;
  - a transceiver coupled to said bus, said transceiver for receiving/transmitting encrypted commands for controlling said base unit over said wireless connection;
  - a video connection coupled to said bus, said video connection is adapted to send video screen commands through said wireless connection to said UIU wherein base unit is connected to the remote computer system video output port on remote computer system;
  - a keyboard connection coupled to said bus, said keyboard connection is adapted to receive keystroke commands through said wireless connection to base unit wherein base unit is connected to the keyboard input ports or keyboard software interrupts on remote computer system;
  - a mouse connection coupled to said bus, said mouse connection adapted to receive mouse movement commands through said wireless connection from UIU device wherein base unit is connected to the mouse input ports or mouse software interrupts on remote computer system;

**Inventor: Harold Keith**  
**Date: 10/11/04**

**Invention Name: LapDesk1400**

- a speaker connection coupled to said bus, said speaker system is adapted to send speaker signals through said wireless connection to UIU device wherein base unit is connected to the speaker output ports or setup through a USB connection as speaker device on the remote computer system;
- a microphone connection coupled to said bus, said microphone system is adapted to receive signals through said wireless connection from UIU device wherein base unit is connected to the microphone port or setup through a USB connection as microphone device on the remote computer system;
- a joystick connection coupled to said bus, said joystick connection is adapted to receive joystick signals through said wireless connection from the UIU device wherein base unit is connected to the joystick port or setup through a USB connection as a joystick device on the remote computer system.

**Inventor: Harold Keith**  
**Date: 10/11/04**

**Invention Name: LapDesk1400**

**Abstract Of The Disclosure**

A laptop device, battery powered, wireless control station transmits encrypted device signals to a receiver interfaced with a host desktop computer. The laptop device includes a microprocessor which converts Input/Output device signals into a secured code and transmits the secured code to a computer interface transceiver using the same frequency. The laptop device receives and sends signals to the keyboard, monitor, joystick, mouse, speakers and microphone. The computer interface transceiver called the Base Unit only recognizes or accepts secured signals with authenticated encryption passwords. For the signals accepted the Base Unit forwards the signals to the host computer via a physical connection to the appropriate device. The Base Unit also transmits the secured signal codes back to the laptop device called UIU (User Interface Unit) which then allocates the signal to the appropriate device located on the UIU. In addition, all messages that originate in the computer will be transmitted to the UIU and displayed on the display therein in a secure manner.

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☒ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**